

CLIMATE CHANGE IMPACTS

SHIFTING ECOSYSTEMS

invasive species in new places
change in temperature-driven events
permafrost thaw
berries, trees, plants & animals under stress
changing ecosystems
warmer lakes/ivers
changes in vegetation
earlier spring
warmer winters
more wildfire

DROUGHT

berries & plants under stress
dry land
poor drinking water quality
dusty conditions
low water
more evaporation from plants, land & water

INFRASTRUCTURE

more heavy rains
severe storms
wastewater lagoon leakage
building damage
road flooding & damage
contaminated drinking water source
heavy wet snow loads
damage to energy infrastructure causing power outages

WILDFIRE

poor air quality
higher risk of accidental ignition
evacuations & stress
more lightning (fire ignition)
drier land (fire fuel)
longer fire season
more dead/fallen trees (fire fuel)
damage to the community

HEALTH

evacuations
mental stress
respiratory issues
mold in homes & smoke in air
flooding & fires
allergies
hot days
heat illness
more pollen
ticks & mosquitoes in new places
lyme disease
west nile virus

TRANSPORTATION

delay in winter road opening
change in ice quality
higher cost to fly in goods
social isolation
shorter winter road season
ice conditions less predictable
water routes obstructed
food & energy insecurity
severe storms make travel less safe

FOOD SECURITY

warmer temperatures
changing rain & snow
more storms / more severe storms
change in fish spawning
shifting ranges for plants & animals
changing migration patterns
plants & animals moving north
cold-water fish under stress

FLOODING

changes in river ice
more winter rain
more mid-winter thaws
more heavy rain events
spring melt flooding
lakes/ivers overflow banks
changes in ice jams
faster spring melt
winter flooding from thaw or rain
flooding from heavy rain